

# MATERIAL SAFETY DATA SHEET

Hydrogen Peroxide 3% Solution

## SECTION 1 . Product and Company Identification

Product Name and Synonym: Hydrogen Peroxide 3% Solution

Product Code: 200-13

Material Uses:

Manufacturer:

OFI Testing Equipment, Inc.  
11302 Steeplecrest Drive  
Houston, TX 77065 USA  
Phone: (713) 880-9885  
Fax: (713) 880-9886

Entry Date : 5/6/2010

Print Date: 7/29/2010

24 Hour Emergency Assistance : Chemtrec 800-424-9300  
Canutec 613-996-6666

Health:	1			
Flammability:	0			
Reactivity:	0			
Hazard Rating:				
Least	Slight	Moderate	High	Extreme
0	1	2	3	4
NA = Not Applicable		NE = Not Established		

## SECTION 2 HAZARD IDENTIFICATION

Generally not hazardous in normal handling, however good laboratory practices should always be used. Avoid long term exposure to skin or by inhalation.

Emergency Overview:Warning! May be Harmful if Swallowed. Causes Eye Irritation.

Inhalation:Not Expected to be a Health Hazard under Normal Conditions.

Ingestion:Large Oral doses May Cause Irritation and Blistering to the Mouth, Throat, and Abdomen. May also Cause Abdominal Pain, Vomiting, and Diarrhea.

Skin:No Adverse Effects Expected on Intact Skin. Contact on Burn or Open Skin may Cause Stinging Pain or Irritation.

Eye Contact:Causes Irritation, Redness, and Pain.

Chronic Exposure:No Information Found.

## SECTION 3 MIXTURE COMPONENTS

SARA 313	Component	CAS Number	Percent Comp.	Dimension	Exposure Limits
<input type="checkbox"/>	Hydrogen Peroxide 35%	CAS# 7722-84-1	8 - 9%	V/V	OSHA TWA 1 ppm (1.4 mg/m <sup>3</sup> )
<input type="checkbox"/>	Water, Deionized ASTM Type II	CAS# 7732-18-5	Balance	V/V	None Established

## SECTION 4 FIRST AID MEASURES

Generally not hazardous in normal handling, however good laboratory practices should always be used. Avoid long term exposure to skin or by inhalation.

FIRST AID: SKIN: Wash exposed area with soap and water. If irritation persists, seek medical attention.

EYES: Wash eyes with plenty of water for at least 15 minutes, lifting lids occasionally. Seek Medical Aid. INHALATION: Remove to fresh air. If not breathing,

## Hydrogen Peroxide 3% Solution

give artificial respiration. If breathing is difficult, give oxygen

INGESTION: Give several glasses of milk or water. Vomiting may occur spontaneously, but it is not necessary to induce. Never give anything by mouth to an unconscious person.

### SECTION 5 FIRE FIGHTING MEASURES

Fire Extinguisher Type: Any means suitable for extinguishing surrounding fire

Fire / Explosion Hazards: Oxidizer. Contact with combustible materials may cause a fire.

Fire Fighting Procedure: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and clothing.

### SECTION 6 ACCIDENTAL RELEASE MEASURES

Dilute with water. Flush excess down drain.

Ventilate Area of Leak or Spill. Wear Appropriate Personal Protective Equipment as Specified in Section 8. Contain and Recover Liquid when Possible. Collect Liquid in an Appropriate Container or Absorb with an Inert Material (e.g., Vermiculite, Dry Sand, Earth), and Place in a Chemical Waste Container. Do Not Use Combustible Materials, such as Saw Dust.

### SECTION 7 HANDLING AND STORAGE

Store in a cool dry place. Do not get in eyes, on skin, on clothing. Wash thoroughly after handling

### SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory Protection: None required

Ventilation

Local Exhaust

Mechanical

Protective Gloves: Gloves to prevent skin exposure as rubber or vinyl

Eye Protection: Splash Goggles

Other Protective Equipment: Wear appropriate clothing to prevent skin exposure

### SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Melting Point:	~ 0° C	Percent Volatile by Volume:	> 99%
Boiling Point:	~ 100° C	Evaporation Rate	not available
Vapor Pressure:	not available	Evaporation Standard	
Vapor Density:	not available	Auto Ignition Temp	Not applicable
Solubility in Water:	Soluble	Lower Flamm. Limit in Air	Not applicable
Appearance /Odors:	Colorless, odorless liquid	Upper Flamm. Limit in Air	Not applicable
Flash Point:	not flammable		
Specific Gravity:	~ 1.0		

Hydrogen Peroxide 3% Solution

**SECTION 10 STABILITY AND REACTIVITY INFORMATION**

Stability: Stable  
Conditions to Avoid: Temperature extremes, heat, light  
Materials to Avoid: Flammables, combustibles, Cyanides, Acids, permanganates, Reducing agents  
Hazardous Decomposition Products: Hydrogen, Oxygen  
Hazardous polymerization: not expected to occur  
Conditions to Avoid: None known

**SECTION 11 Toxicological Information**

Carcinogenic References: NTP Carcinogen - Known: No, IARC Category- 3

**SECTION 12 Ecological Information**

No Information Found.

**SECTION 13 Disposal Considerations**

Dilute with Water and Flush to Sewer if Local Ordinances allow, Otherwise, Whatever Cannot be saved for recovery or recycling should be managed in an appropriate and approved waste Disposal Facility. Processing, use or Contamination of this product may change the waste management options. State and Local Disposal Regulations may Differ from Federal Disposal Regulations. Dispose of Container and Unused Contents in Accordance with Federal, State and Local Requirements.

**SECTION 14 Transport Information**

DOT Classification: Not Regulated

DOT Regulations may change from time to time. Please consult the most recent D.O.T. regulations.

**SECTION 15 Regulatory Information**

Chemical Inventory Status –  
Part 1:Ingredient  
Hydrogen Peroxide (7722-84-1)  
TSCA Yes  
EC Yes  
Japan No  
Australia Yes

Chemical Inventory Status –  
Part 2:Ingredient  
Hydrogen Peroxide (7722-84-1)  
Korea Yes  
DSL Yes  
NDSL No  
Phil. Yes

Federal, State & International Regulations –  
Part 1: Ingredient.  
Hydrogen Peroxide (7722-84-1)  
RQ NO  
TPQ NO  
List NO  
Chemical Catg No

Federal, State &  
International Regulations –  
Part 2:Ingredient  
Hydrogen Peroxide (7722-84-1)  
CERCLA No

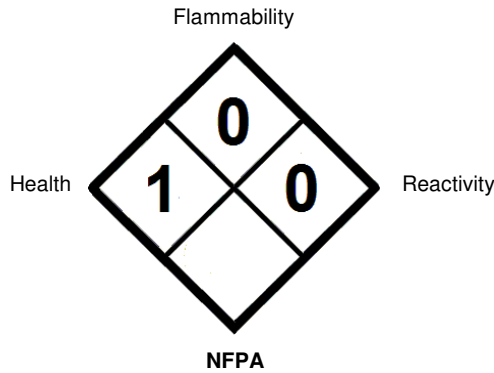
Hydrogen Peroxide 3% Solution

261.33 No  
8(d) No

Chemical Weapons Convention: No  
TSCA 12 (b): YES  
CDTA: NO Mixture/Liquid)  
SARA 311/312: Acute: Yes  
Chronic: NO  
Fire: No  
Pressure: No  
Reactivity: No  
Australian Hazchem Code: None  
Poison Schedule: S5

**SECTION 16 Additional Information**

Solution has oxidizing properties. Skin contact may cause irritation, burns, Eye contact may cause irritation, discomfort, burns. Ingestion may release large amounts of oxygen, Cause burns to GI and intestinal tract. Treat symptomatically. Persons with preexisting skin, eye or mucous membrane disorders may be more susceptible.



**Revisions**

7/29/2010	0.1	updated msds to 16 section from 10 section msds. STN
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